

DEGRADATION & PERMEATION TEST DATA

CHEMICAL	NEOPRENE		GLOVES		NEO-400
	EN 374 Class Index	Avg. BTT/Min	Avg. Max Detectable Prmt rate / $\mu\text{g} / \text{cm}^2 \cdot \text{Min}$	Avg. Degr. Rate	
1. Acetaldehyde, 99.5%	0	8	765	P	
2. Acetic Acid, 99+%	4	152	7.4	E	
3. Acetone, 99.5%	1	11	72.9	F	
4. Acetonitrile, 99%	1	15	8	E	
5. Acrylic Acid, 99%	3	66	24.2	P	
6. Ammonium Fluoride, 40%	6	>480	<0.016	E	
7. Ammonium Hydroxide, 85%	5	>440	0.13	E	
8. Amyl Alcohol, 99+%	4	138	3.8	E	
9. Aniline, 99+%	3	69	26.4	P	
10. Aqua Regia	6	>480	<0.016	E	
11. Bromopropionic Acid, Sat.	6	>480	<0.016	E	
12. Butyl Alcohol, 99%	4	135	1.6	E	
13. Butyl Cellosolve, 99+%	3	63	303*	G	
14. Butyrolactone, 99+%	4	170	0.99	E	
15. Cellosolve Acetate, 99+%	2	37	103	NR	
16. Cellosolve Solvent(2-ethoxy ethanol), 99+%	2	58	31	E	
17. Citric Acid, 10%	6	>480	<0.016	E	
18. Cyclohexanol, 98%	5	392	0.3	E	
19. Diacetone Alcohol, 99%	3	96	260*	E	
20. Dibutyl Phthalate, 99%	6	>480	<0.002	G	
21. Dimethylformamide, 99+%	2	38	59.2	F	
22. Dimethyl Sulfoxide, 99+%	5	243	1.3	E	
23. Dioctyl Phthalate, 99%	6	>480	<0.03	G	
24. Ethyl Acetate, 99+%	0	10	23	NR	
25. Ethyl Alcohol, 90+%	3	73	4.9	E	
26. Ethyl Ether, 99+%	0	4	•	NR	
27. Ethyl Glycol Ether, 99%	3	68	33.4	E	
28. Ethylene Glycol, 99+%	6	>480	>0.001	E	
29. Formaldehyde, 99%	6	>480	<0.03	E	
30. Formic Acid, 95+%	6	>480	<0.016	E	
31. Freon TF, 99+%	4	160	31.6	NR	
32. Furfural, 99%	2	35	543	F	
33. Hexamethyldisilazine, 97%	4	153	16.2*	P	
34. Hexane, 99+%	1	16	27.7	NR	
35. Hydrazine, 65%	4	205	8.0*	E	

- _____ Catastrophic Breakthrough
- Avg. _____ Average
- BTT _____ Breakthrough Time
- Prmt _____ Permeation
- Degr. _____ Degradation
- EN 374 Class _____ European Classification
- Min _____ Minutes
- _____ Not Tested
- * _____ These rates may be artificially lower due to detector saturation

En 374 Class	Permeation Time (Minutes)
0	<10 min.
1	>10 min.
2	>30 min.
3	>60 min.
4	>120 min.
5	>240 min.
6	>480 min.

KEY TO DEGRADATION RATING

% Weight Change (Gain)	Degradation Rating	EN 374 Class
0 to 10	Excellent	E
11 to 20	Good	G
21 to 30	Fair	F
31 to 50, or small loss	Poor	P
Above 50	Not Recommended	NR

*NR - Avoid use of the gloves with this chemical

